

Amendment of the Claims

This listing of the claims will replace all prior versions and listing of claims in the application.

Listing of Claims

1. (Currently Amended) An electroluminescent material which emits light in the ultra-violet region of the spectrum which comprises an organic metallic complex having a formula $\text{Ln}^*[\text{Ln}(\text{polyamine})]_3$ wherein Ln and Ln^* are the same or different and are selected from the group consisting of transition metals, lanthanides and actinide, and wherein the polyamine is selected from the group consisting of ethylene diamine tetramine, DCTA, DTPA and TTHA.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Currently Amended) An electroluminescent material as claimed in claim 7 1 in which Ln and Ln^* are selected from the group consisting of Gd, Sm, Eu, Tb and Dy.

9. (Previously Amended) An electroluminescent material as claimed in claim 1 wherein the complex is $\text{Gd}[\text{Eu}(\text{EDTA})]_3$.
10. (Currently Amended) An electroluminescent device which comprises sequentially (i) a first electrode comprising a transparent conductive substrate (ii) ~~a layer of a hole transmitting material~~ (iii) a layer of an electroluminescent material which emits light in the ultra-violet region of the spectrum and which comprises an organic metallic complex selected from the group consisting of $\text{Gd}[\text{Ln}(\text{polyamine})]_3$ and $\text{M}[\text{Gd}(\text{polyamine})]$ wherein M is an alkali metal and wherein Ln is selected from the group consisting of a transition metal, lanthanide or actinide ~~and a polyamine ligand~~ and (iv) ~~a layer of an electron transmitting material and~~ (v) a metal electrode.
11. (Previously Amended) An electroluminescent device as claimed in claim 10 in which the transparent substrate is a conductive glass or plastic material which acts as the anode.
12. Canceled.
13. (Previously Amended) An electroluminescent device as claimed in claim 10 in which there is a hole transporting material mixed with the electroluminescent material in a ratio of 5 to 95% of the electroluminescent material to 95 to 5% of the hole transporting material.
14. (Previously Amended) An electroluminescent device as claimed in claim 10 in which the hole transporting material is an aromatic amine complex.

15. (Previously Amended) An electroluminescent device as claimed in claim 10 in which the hole transporting material is selected from the group consisting of poly(vinylcarbazole), N,N'diphenyl-N,N'-bis (3-methylphenyl)-1,1'-biphenyl -4,4'-diamine (TPD) and polyaniline.

16. Canceled.

17. Canceled.

18. (Previously Amended) An electroluminescent device as claimed in claim 10 in which an electron injecting material is mixed with the electroluminescent material and co-deposited with it.

19. (Previously Amended) An electroluminescent device as claimed in claim 18 in which the electron injecting material is selected from the group consisting of a metal complex oxadiazole and an oxadiazole derivative.

20. (Previously Amended) An electroluminescent device as claimed in claim 19 in which the electron injecting material is selected from the group consisting of an aluminum quinolate and 2-(4biphenyl)-5-(4-tert-butylphenyl)-1,3,4 oxadiazole.

21. Canceled.

22. (Currently Amended) An electroluminescent device as in claim 10 in which the metal electrode includes at least one anode is selected from the group consisting of

aluminum alloy, magnesium alloy, lithium alloy, calcium alloy and magnesium silver alloy,

23. Canceled.

24. (Previously Amended) An electroluminescent device as claimed in claim 10 in which there is at least one layer which incorporates a dye which fluoresces in ultra-violet light to give emitted light in the color spectrum.

25. (Currently Amended) An electroluminescent material as claimed in claim 1 wherein the organic metallic complex comprises gadolinium in the III state ~~and a ligand selected from the group consisting of ethylene diamine tetramine, DCTA, DTPA and TTHA.~~

26. (Currently Amended) An electroluminescent device as claimed in claim 10 wherein in which the electroluminescent material is an the organic metallic complex comprises of gadolinium in the III state.

27. Canceled.

28. Canceled.

29. (Currently Amended) An electroluminescent device as claimed in claim 26 ~~28~~ in which the complex is in the form of a salt.

30. (Currently Amended) An electroluminescent device as claimed in claim 26 ~~28~~ in which the complex is in the form of an alkali metal salt.

31. (Canceled)

32. (Currently Amended) An electroluminescent device as claimed in claim 10 in which the electroluminescent material is in the form of the salt of formula $\text{Gd}[\text{Ln}(\text{EDTA})]_3$, wherein Ln and Ln^* are the same or different and are selected from the group consisting of transition metals, lanthanides and actinides.

33 (Currently Amended) An electroluminescent device as claimed in claim 32 in which Ln and Ln^* are is selected from the group consisting of Gd, Sm, Eu, Tb and Dy.

34. (Currently Amended) An electroluminescent device as claimed in claim 10 in which the ~~metal~~ complex is $\text{Gd}[\text{Eu}(\text{EDTA})]_3$.